



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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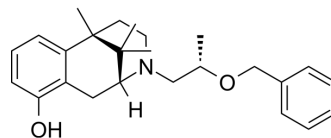
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Crobenetine

Cat. No.:	HY-16923
CAS No.:	221019-25-6
Molecular Formula:	C ₂₅ H ₃₃ NO ₂
Molecular Weight:	379.54
Target:	Sodium Channel
Pathway:	Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Crobenetine (BIII-890), a benzomorphan derivative, is a potent, selective, and highly use-dependent Na ⁺ channel blocker. Crobenetine displaces [³ H]BTX from site 2 of the Na ⁺ channel (IC ₅₀ =49 nM) in rat brain synaptosomes, yet exhibits only low binding affinity for other receptors and ion channels. Crobenetine protects brain tissue from the deleterious effects of focal cerebral ischemia in rodents ^[1] .
In Vivo	Crobenetine (BIII-890; BIII 890 CL; 3-30 mg/kg; s.c.) reduces lesion size in mice and rats when administered 5 min after permanent focal cerebral ischemia at doses that does not impair motor coordination ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. A J Carter, et al. Potent blockade of sodium channels and protection of brain tissue from ischemia by BIII 890 CL. Proc Natl Acad Sci U S A. 2000 Apr 25;97(9):4944-9.

Caution: Product has not been fully validated for medical applications. For research use only.

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